

L-1 SYNTH

MICROCOMPRESSOR Eurorack – Parts list.

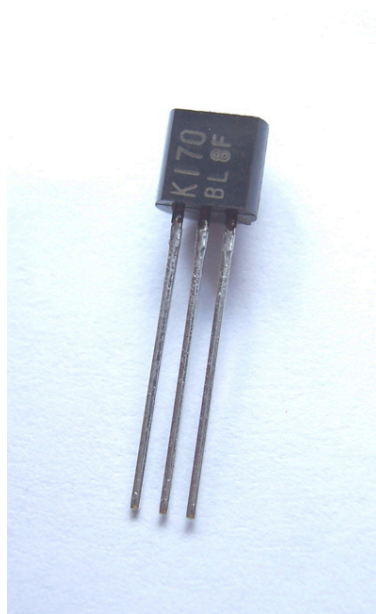
Qty	Value	Package	Comments	Parts	Farnell code
IC's					
1	TL074	DIL14		IC2	1564329
1	THAT4301	DIL20		IC1	1354170
1	LM393	DIL08		IC3	9755950
Transistors					
3	2N3904	TO92		T2, T4, T5	1700648
3	2N3906	TO92		T1, T3, T6	1574372
1	2SK170 *	TO92	without letters type or J201 can be used, see the next page for details	T7	
Diodes					
2	1N4004	Through-hole	or 1N4007	D8, D9	1843708
7	1N4148	1206		D1, D2, D3, D4, D5, D6, D7	8150214
2	LED	3mm	green	D10, D11	1208845
1	LED	3mm	any color	D12	1208885
Capacitors					
1	22p	1206	Ceramic	C7	1800833
2	47p	1206	Ceramic	C3, C24	1414734
2	10n	5mm	film	C5, C20	1166055
4	100n	5mm	film	C4, C16, C17, C19	1650969
5	0.1uF	1206	Ceramic, power decoupling caps	C9, C12, C13, C14, C15	1759361
1	1uF	5mm	film	C6	1650971
1	4.7uF	2.5mm	electrolyth	C8	
1	4.7uF	5mm	electrolyth (tantal preferred)	C22	1457579
2	10uF	5mm	electrolyth (tantal preferred)	C21, C23	1457577
2	22uF	2.5mm	electrolyth	C10, C11	9451498
1	47uF	2.5mm	electrolyth	C2	1848463
1	100uF	2.5mm	electrolyth	C1	1848439
1	220uF	2.5mm	electrolyth	C18	1848418
Resistors					
2	10 Ohm or ferrite bead	0.25W through-hole		R31, R32	9339035
2	51	1206		R6, R27	1470021
2	100	1206		R38, R41	2078994
1	150	1206		R10	2078996
1	330	1206		R47	2078998
1	510	1206		R20	1100184
1	1K4	1206		R18	2139448
1	2K	1206		R46	1469985
1	3K	1206		R37	1100203
1	4K3	1206		R40	1100207
2	4K99	1206	5K 3300ppm tempco preferred	R33, R34	1470015

2	5K1	1206		R22, R29	1100211
3	10K	1206		R23, R24, R28	2079007
1	15K	1206		R17	2079009
2	20K	1206		R1, R3	1469993
6	30K	1206		R13, R16, R25, R30, R39, R45	1100230
1	43K	1206		R54	1100235
1	52K3			R44	2139566
1	60K4			R2	2057782
2	100K	1206		R21, R49	2079015
2	200K	1206		R35, R36	1100252
1	220K	1206		R14	2079017
1	300K	1206		R5	1100256
2	470K	1206		R8, R15	2079019
1	1M8	1206		R26	2139720
1	2M	1206		R9	1506156
2	8M2	1206		R11, R42	2139800
1	10M	1206		R19	1469973
Trimpots					
1	20K		0dB level	R43	9353240
2	50K		LED, distort	R50, R4	9353305
Potentiometers					
2	10K_lin	9mm PC mount		ATT, RATIO	Smallbear 1012A
3	50K_lin	9mm PC mount		GAIN, REL, TRSH	Smallbear 1012A
Switches					
1	DP3T (On-On-On)		RMS/AUTO/PEAK	S5	Smallbear 0229
3	DPDT (On-On)		M/S, AUTO/VAR, BYPASS	S1, S2, S3	Smallbear 0220
1	3PDT (On-On)		H/S	S4	Smallbear 0221A
Other					
1	Euro power connector			SV1	1928436
12	Jack 3,5mm	PC-mount	Erthenvar		Erthenvar
4	Spacer 12mm				1466845
5	Knobs		Synth pointer #2		Smallbear 0808D

I used 2SK170 without letters type, it works correct.



But most popular 2SK170BL works incorrect.



I made some researches and found - J201 can be used.

But note different pinout:

